



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/550,152
Filing Date	September 20, 2005
First Named Inventor	Joacim Elmén
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	64190(71432)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
T.V.	BA	WO-WO 2004/042046 A2	05-21-2004			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
T.V.	CA	FIRE ET AL., "Potent and specific genetic inteference by double-stranded RNA in Caenorhabditis elegans", Nature, Vol. 391, February 19, 1998, pp. 806-811.	
	CB	ANDREW FIRE, "RNA-triggered gene silencing", TIG, Volume 15, No. 9, September 1999, pp. 358-363.	
	CC	JULIA M. BOSHER ET AL., "RNA interference: genetic wand and genetic watchdog", Nature Cell Biology, Volume 2, February 2000, pp. E31-E36	
	CD	ANNA WARGELIUS ET AL., "Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos", Biochemical and Biophysical Research Communications, Volume 263, (c) 1999, pp. 156-161.	
	CE	FLORENCE WIANNY ET AL., "Specific interference with gene function by double-stranded RNA in early mouse development", Nature Cell Biology, Volume 2, February 2000, pp. 70-75.	
	CF	LENA ALEXOPOULOU, "Recognition of double-stranded RNA and activation of NF-kB by Toll-like receptor 3", Nature, October 2001, pp. 732-738.	
	CG	GEORGE STARK ET AL., "How Cells Respond To Interferons", Annu. Rev. Biochem., Volume 67, (c) 1998, pp. 227-264.	
	CH	CHARLES E. SAMUEL, "Antiviral Actions of Interferons", Clinical Microbiology Reviews, Volume 14, No. 4, October 2001, pp. 778-809.	
	CI	PHILLIP D. ZAMORE ET AL., "RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals, Cell, Volume 101, (c) 2000, pp. 25-33.	
	CJ	SAYDA M. ELBASHIR ET AL., "RNA Interference is mediated by 21- and 22-nucleotide RNAs", Genes & Development, Volume 15, (c) 2001, pp. 188-200.	
	CK	SAYDA M. ELBASHIR ET AL., "Duplexes f 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", Nature, Volume 411, May 24, 20001, pp. 494-498	
	CL	MICHAEL T. MCMANUS ET AL., "Gene Silencing In Mammals By Small Interfering RNAs",	
Examiner Signature			Date Considered

530564



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/550,152
				Filing Date	September 20, 2005
				First Named Inventor	Joacim Elmén
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	64190(71432)

		Nature Reviews Genetics, Volume 3, October 2002, pp. 737-747.	
/T.V./	CM	JAMES D. THOMPSON, "Applications of antisense and siRNAs during preclinical drug development", Drug Discovery Today, Vol. 7, No. 17, September 2002, pp. 912-917.	
	CN	SUSAN PARRISH ET AL., "Functional Anatomy of a dsRNA Trigger: Differential Requirement for the Two Trigger Strands in RNA Interference", Molecular Cell, Volume 6, November 2000, pp. 1077-1087.	
	CO	ALEXANDRA BOUTLA, "Short 5'-phosphorylated double-stranded RNAs induce RNA Interference in <i>Drosophila</i> ", Current Biology, Volume 11, (c) 2001, pp. 1776-1780.	
	CP	TORGEIR HOLEN ET AL., "Positional effects of short interfering RNAs targeting the human coagulation trigger Tissue Factor", Nucleic Acids Research, Volume 30, No. 8, (c) 2002, pp. 1757-1766.	
	CQ	HIROHIKO HOHJOH, "RNA interference (RNAi) induction with various types of synthetic oligonucleotide duplexes in cultured human cells", FEBS Letters 521, FEBS 26179, (c) 2002, pp. 195-199.	
	CR	M. HAMADA ET AL., "Effects on RNA Interference in Gene Expression (RNAi) in Cultured Mammalian Cells of Mismatches and the Introduction of Chemical Modifications at the 3'-Ends of siRNAs, Antisense And Nucleic Acid Drug Development, Volume 12, pp. 301-309.	
	CS	ANTTI NYKANEN ET AL., "ATP Requirements and Small Interfering RNA Structure in the RNA Interference Pathway", Cell, Volume 107, November 2001, pp. 309-321.	
	CT	JAVIER MARTINEZ, "Single-Stranded Antisense siRNAs Guide Target RNA Cleavage in RNAi", Cell, Volume 110, pp. 563-574.	
	CU	SCOTT M. HAMMOND ET AL., "An RNA-directed nuclease mediates post-transcriptional gene silencing in <i>Drosophila</i> cells", Nature, Volume 404, March 2000, pp. 293-296.	
	CV	M. AMARZGUIQUI ET AL., "Tolerance for mutations and chemical modifications in a siRNA", Nucleic Acids Research, Volume 31, No. 2, (c) 2003, pp. 589-595.	
	CW	D. BRAASCH ET AL., "RNA Interference in Mammalian Cells by Chemically-Modified RNA", Biochemistry, Volume 42, (c) 2003, pp. 7967-7975.	
	CX	Y. HAYAKAWA ET AL., "Toward an Ideal Synthesis of Oligonucleotides: Development of a Novel Phosphoramidite Method with High Capability", Bulletin of the chemical society of Japan, Vol. 74, No. 9, pp. 1547-1556	
↓	CY	DWAINE A. BRAASCH ET AL., "Novel Antisense and Peptide Nucleic Acid Strategies for Controlling Gene Expression", Biochemistry, Volume 41, No. 14, April 9, 2002, pp. 4503-4510.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Tracy Vivlemore/	Date Considered	06/22/2010
--------------------	-------------------	-----------------	------------

530564